

Switching-Mode Power Converter with Complementary Synchronous Rectification

Abstract of Disclosure

A switching-mode power converter includes input and output circuits. A transformer having primary and secondary windings which are respectively coupled to the input and output circuits. The secondary winding has two end terminals respectively connected to first and second switches. The first and second switches are also joined together at a common node. The secondary winding also has a mid terminal. A filter circuit is disposed between the mid terminal and the common node. The first and second switches are controlled by complementary control circuits which selectively allow current to orderly pass through the filter circuit via the switches during the forward rectification, resetting, and freewheeling modes of operation of the power converter.

09683439-122301